

Ref: CED/TFL/06/7088

Dated: 17-06-2025

Dated of Test: 24-06-2025 (Dr. Rizwan Riaz)

To

Engr. Sajjad Hashmi (GM QA/QC)
Vision Developers Pvt. Ltd.
Park View City, Lahore

Subject: TESTING OF R.C.C. PIPE (Three Edge-Bearing Test)

Reference to your letter no: Nil on dated 16.06.2025 on the subject cited above. Two R.C.C. Pipes as received by us has been tested. The results are tabulated as under.

Sr. No .	Nominal Size	Total Length	Loaded Length	External Diameter	Internal Diameter	Wall Thickness	Proof load	Ultimate Load	D-Load (0.01 inch)	D-Load Ultimate
	(inch)	(inch)	(inch)	(inch)	(inch)	(inch)	(kg)	(kg)	Lbs/Linear foot/foot	Lbs/Linear foot/foot
1	9	93.0	87.5	12.50	9.43	1.53	9500	12000	3654	4615
2	9	93.0	87.5	12.40	9.67	1.37	10000	14000	3753	5255

Test Performed and Verified by:

To,
 Mr. Omar Sadiq (Project Manager)
 Tokyo Hospital Gujranwala
 (Kamran Steel)

Reference # CED/TFL 7112 (Dr. Rizwan Azam)
 Reference of the request letter # THG/OS/2025/05

Dated: 20-06-2025
 Dated: 20-06-2025

Tension Test Report (Page-1/1)

Date of Test 24-06-2025
 Gauge Length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (#)	Actual Diameter (inch)	Area (in ²)		Yield Load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.409	3	0.391	0.110	0.12	3500	5000	70127	64181	100182	91687	1.2	15.0	-
2	0.409	3	0.391	0.110	0.12	3500	5100	70127	64219	102185	93576	1.4	17.5	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Only 2 Samples for Tensile and 1 Samples for Bend test

Bend Test
3 Bar Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by:

To,

Engr. Riaz Ahmad (Resident Engineer A&D)

Metroplan-Asian Consulting Engineers

Establishment of Nawaz Sharif Institute of Cancer Treatment and Research Lahore (Phase-1, Package A,
(FF Steal)

Reference # CED/TFL 7114 (Dr. Rizwan Azam)

Dated: 20-06-2025

Reference of the request letter # Metroplan-Asian(JV),NSICTR-RE(A&D)/209 Dated: 19-06-2025

Tension Test Report (Page-1/1)

Date of Test 24-06-2025

Gauge Length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (#)	Actual Diameter (inch)	Area (in ²)		Yield Load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.359	3	0.367	0.110	0.106	3500	4400	70127	73053	88160	91838	1.2	15.0	-
2	0.361	3	0.367	0.110	0.106	3400	4400	68124	70684	88160	91473	1.4	17.5	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 1 Samples for Bend test														

Bend Test
3 Bar Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by:

&D)

To,
 Project Manager
 Sunshine Healthcare (Pvt.) Ltd.
 Sunshine Medical Tower Shahdra

Reference # CED/TFL 7117 (Dr. Rizwan Azam)
 Reference of the request letter # Nil

Dated: 23-06-2025
 Dated: 20-06-2025

Tension Test Report (Page-1/1)

Date of Test 24-06-2025
 Gauge Length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (#)	Actual Diameter (inch)	Area (in ²)		Yield Load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.371	3	0.373	0.110	0.109	3300	4800	66120	66634	96175	96922	1.5	18.8	-
2	0.372	3	0.373	0.110	0.109	3300	4700	66120	66457	94171	94651	1.7	21.3	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Only 2 Samples for Tensile and 1 Samples for Bend test

Bend Test														
# 3 Bar Bend Test Through 180 Degree is Satisfactory														

Test Performed and Verified by:

To,
 Mr. Kamran Khan (Procurement Manager)
 Q-Links Property Construction (Pvt.) Ltd.
 Construction of Q-High Street Lahore.

Reference # CED/TFL 7118 (Dr. Rizwan Azam)
 Reference of the request letter # Apr-DN-3366

Dated: 23-06-2025
 Dated: 21-06-2025

Tension Test Report (Page-1/1)

Date of Test 24-06-2025
 Gauge Length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (#)	Actual Diameter (inch)	Area (in ²)		Yield Load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.366	3	0.370	0.110	0.108	3300	5000	66120	67589	100182	102408	1.3	16.3	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 1 Samples for Bend test														

Bend Test														
# 3 Bar Bend Test Through 180 Degree is Satisfactory														

Test Performed and Verified by:

To,

Mr. M. Usman Rauf (Resident Engineer)

NESPAK (Pvt.) Ltd.

Restoration / Improvement of Road Landa Phattak Pattoki to Hussain Khan Wala via Chunian

Habibabad Road Dhola Chak 07, Mustafabad, Kanganpura to Mandi Ahmadabad

Reference # CED/TFL **7119** (Dr. Rizwan Azam)

Dated: 23-06-2025

Reference of the request letter # 4084/103/MUR/104/47

Dated: 20-05-2025

Tension Test Report (Page-1/2)

Date of Test 24-06-2025

Gauge Length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (#)	Actual Diameter (inch)	Area (in ²)		Yield Load (kN)	Breaking Load (kN)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.373	3	0.374	0.110	0.11	31.70	46.00	64760	64961	93973	94265	1.4	17.5	3"/8
2	0.364	3	0.369	0.110	0.107	31.20	45.00	63739	65526	91931	94509	1.1	13.8	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,

Mr. M. Usman Rauf (Resident Engineer)

NESPAK (Pvt.) Ltd.

Restoration / Improvement of Road Landa Phattak Pattoki to Hussain Khan Wala via Chunian

Habibabad Road Dhola Chak 07, Mustafabad, Kanganpura to Mandi Ahmadabad

Reference # CED/TFL **7119** (Dr. Rizwan Azam)

Dated: 23-06-2025

Reference of the request letter # 4084/103/MUR/104/47

Dated: 20-05-2025

Tension Test Report (Page-2/2)

Date of Test 24-06-2025

Gauge Length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (#)	Actual Diameter (inch)	Area (in ²)		Yield Load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.381	3	0.378	0.110	0.112	3200	4900	64116	63005	98178	96476	1.6	20.0	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 1 Samples for Bend test														

Bend Test

3 Bar Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by:

To,

Mr. M. Usman Rauf (Resident Engineer)

NESPAK (Pvt.) Ltd.

Restoration / Improvement of Road From Phoolnagar to Changa Manga Via Chak No.32 & 33

Length = 16.00 Km in District Kasur

Reference # CED/TFL 7119 (Dr. Rizwan Azam)

Dated: 23-06-2025

Reference of the request letter # 4084/103/MUR/104/49

Dated: 20-05-2025

Tension Test Report (Page-2/2)

Date of Test 24-06-2025

Gauge Length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (#)	Actual Diameter (inch)	Area (in ²)		Yield Load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.371	3	0.373	0.110	0.109	3200	4900	64116	64635	98178	98973	1.3	16.3	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 1 Samples for Bend test														

Bend Test

3 Bar Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by:

To,

Mr. Muhammad Sulaman Basharat (Site Civil Engineer)
AAA Partnership (Pvt.) Ltd.
JDW Tower Lahore

Reference # CED/TFL 7120 (Dr. Rizwan Azam)
Reference of the request letter # AAA/SO/MSB/114/2025

Dated: 23-06-2025
Dated: 23-06-2025

Tension Test Report (Page-1/1)

Date of Test 24-06-2025
Gauge Length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (mm)	Actual Diameter (inch)	Area (in ²)		Yield Load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.403	10	0.388	0.120	0.118	3900	5500	71630	72578	101017	102354	1.3	16.3	-
2	0.402	10	0.388	0.120	0.118	3900	5500	71630	72772	101017	102627	1.2	15.0	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 1 Samples for Bend test														

Bend Test

10mm Bar Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by:

To,
 Mr. I. H. Zarrar
 Engineering Design Bureau
 Katloi Farmhouse

Reference # CED/TFL 7122 (Dr. Rizwan Azam)
 Reference of the request letter # EDB/80

Dated: 23-06-2025
 Dated: 23-06-2025

Tension Test Report (Page-1/1)

Date of Test 24-06-2025
 Gauge Length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (#)	Actual Diameter (inch)	Area (in ²)		Yield Load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.369	3	0.372	0.110	0.108	4200	4800	84153	85346	96175	97538	0.8	10.0	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 1 Samples for Bend test														

Bend Test														
# 3 Bar Bend Test Through 180 Degree is Satisfactory														

Test Performed and Verified by: